INSTALLATION STATUS REPORT (ISR)

MANEUVER/TRAINING LAND

PROPONENT: DEPUTY CHIEF OF STAFF, G-3, (703) 692-6410/DSN 222-6410

REVISION DATE: 30 SEPTEMBER 2002
FOR USE WITH THE 2003 ISR DATA COLLECTION

INCLUDES THE FOLLOWING FCG(s):

- **F17700 - MANEUVER/TRAINING LAND- LT (AC)***
- **F17720 - MANEUVER/TRAINING LAND- HVY (AC)**

STANDARDS BOOKLET

BOOKLET 4

* FCG Unit of Measure. Refer to *Implementing Instructions*, Appendix G, for definition.

ISR FACILITY INSPECTION INSTRUCTIONS

1. Select the appropriate inspection worksheet and rating standards booklet to evaluate your facility (the appropriate booklet number is identified in the upper right corner of the worksheet). Only use worksheets that have been produced by the current ISR1 software, i.e., barcodes and correct installation and facility information are printed at the top of the page. In particular, verify that the building number on the worksheet matches that of the facility you are inspecting, and the Facility Category Group (FCG) description on the worksheet matches the space you will be rating in the facility (some facilities consist of space from several FCGs, each of which will require a separate worksheet and associated rating booklet).

2. At the top of the inspection worksheet, enter Inspector name and phone number, and the date completed.

3. Rate each component on the inspection worksheet by selecting the color rating that BEST FITS the component being evaluated. First look at the picture in the standards booklet, then at the rating elements under each color to determine which color best describes the overall condition of the component being rated. Then place an "X" in the appropriate box on the inspection worksheet. If an inspection component is not in the facility and it is not needed, place an "X" in the "N/A" box for that component. If an inspection component is not in the facility and it is needed, rate that component as RED.

4. RED ratings require comment. For every component that is rated RED, write a brief explanation in the space provided on the inspection worksheet. For each RED rating, consider submitting a work order to correct the deficiency.

5. Sum the number of "Xs" in each column and record each total on the line designated at the bottom of the column.

6. Identify the Overall Quality Rating. The Overall Quality Rating is the color that received the most ratings among the inspected components. This was calculated in Step 5 above. If there is a tie for the most color ratings, then the lower color rating prevails and is the Overall Quality Rating for the facility. Circle the appropriate Overall Color Rating choice in the upper right hand corner of the worksheet.

7. For Installation Use Only. Note that the functional proponent for this rating booklet has identified certain Priority Components, identified by asterisks (***) on the Inspection Worksheets and by the annotation "Priority Component" on the appropriate page of this booklet. They are so marked to enable installation level staff to easily identify components that are of particular importance.

8. Optional: write a brief comment concerning any facility location issues, such as location of the facility on the installation, proximity to related facilities, and appropriate vehicle access. Continue on the reverse of the inspection worksheet if needed.

9. Optional: write a brief comment concerning any environmental, health, safety, and historic preservation issues. Continue on the reverse of the inspection worksheet if needed.

10. Have the unit commander or activity director review and sign the inspection worksheet, and add any desired comment

MISSION FACILITY WORKSHEET
(All standards are contained on this worksheet)
MANEUVER/TRAINING LAND

Overall Quality Rating (Circle One):

Green Amber Red

Facility Number:
Facility User UIC:
Facility Category Group:
Unit of Measure:

Installation Number:

Inspector: _____

Phone #: _____

Date Completed: _____

FACILITY CONDITION ASSESSMENT

Condition of Each Component
Place an "X" in the box that applies to each component.

Inspection Component	GREEN	AMBER	RED	N/A
1. NET TRAINING LAND ***	[ ]	[ ]	[ ]	[ ]
Consider doctrinally sound parcels of land to meet the TC 25-1 standards, shape of the land to accommodate TC 25-1 maneuver box/area requirements, and easements or other man made constraints in maneuver boxes.	Using the RTLP methodology, installation has net usable maneuver land to realistically support 95% of the maneuver land Acre-Day requirements based on TC 25-1 standards. Net usable maneuver land is all installation land minus cantonment area, land unusable for training to include precipitous terrain, and land permanently assigned for other than maneuver training use. Includes mobilization requirements IAW RTLP methodology.	Using the RTLP methodology, installation has net usable maneuver land to realistically support 80 to 94% of the maneuver land Acre-Day requirements based on TC 25-1 standards. Net usable maneuver land is all installation land minus cantonment area, land unusable for training to include precipitous terrain, and land permanently assigned for other than maneuver training use. Includes mobilization requirements IAW RTLP methodology.	Using the RTLP methodology, installation has net usable maneuver land to realistically support 79% or less of the maneuver land Acre-Day requirements based on TC 25-1 standards. Net usable maneuver land is all installation land minus cantonment area, land unusable for training to include precipitous terrain, and land permanently assigned for other than maneuver training use. Includes mobilization requirements IAW RTLP methodology.	
2. INTEGRATED TRAINING AREA MGMT (ITAM) PROGRAM *** (**Overall rating is based on the lower of the two ratings.**)	[ ]	[ ]	[ ]	[ ]
	[ ] The ITAM program is functioning effectively and 95 percent of validated projects are funded.	[ ] The ITAM program is functioning effectively with 80% to 94% of validated projects are funded.	[ ] The ITAM program is required but is not functioning effectively and/or less than 80% of validated projects have been funded.	[ ]
	[ ] 95% of the ITAM funding provided to the installation was obligated against valid ITAM projects.	[ ] 85% of the ITAM funding provided to the installation was obligated against valid ITAM projects.	[ ] Less than 85% of the ITAM funding provided to the installation was obligated against valid ITAM projects.	[ ]

(MANEUVER/TRNG LAND CONT)

3. LAND CONDITION ***	[ ]	[ ]	[ ]	[ ]
Land Conditions Assessment is the lowest rating of the below 3 assessed areas.				
a. Vegetative cover, to include invasive species and forests, constraints to maneuver. Do not consider threatened or endangered species habitat or wetlands in this evaluation since it is already addressed as a constraint in paragraph 4 below.	[ ] 95% or better of the net usable maneuver land does not have vegetative constraints to maneuver	[ ] 85% or better of the net usable maneuver land does not have vegetative constraints to maneuver	[ ] Less than 85% of the net usable maneuver land does not have vegetative constrains to maneuver	[ ]
b. Vegetative cover, to include invasive species and forests, constraints to use of laser simulators in support of maneuver training. Do not consider threatened or endangered species habitat or wetlands in this evaluation since it is already addressed as a constraint in paragraph 4 below.	[ ] 95% or better of the net usable maneuver land does not have vegetative constraints to the use of laser simulators in support of maneuver training	[ ] 85% or better of the net usable maneuver land does not have vegetative constraints to the use of laser simulators in support of maneuver training	[ ] Less than 85% of the net usable maneuver land does not have vegetative constraints to the use of laser simulators in support of maneuver training	[ ]
c. The land carrying capacity, based on Army Training and Testing Area Carrying Capacity (ATTACC) or a local equivalent assessment methodology.	[ ] 95% or better of the net usable maneuver land can be maintained without a degradation to installation acceptable land conditions	[ ] 90% or better of the net usable maneuver land can be maintained without a degradation to installation acceptable land conditions	[ ] Less than 90% of the net usable maneuver land can be maintained without a degradation to installation acceptable land conditions	[ ]

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(MANEUVER/TRNG LAND CONT)

4. ENCROACHMENT ASSESSMENT *** Evaluate each of the below encroachment issues to determine the total acreage and percentage of the net usable maneuver land each issue impacts. Evaluate each encroachment issue based on the criteria established below. Then utilize the installation GIS database to merge the individual restrictions to identify the overall encroachment assessment. The GIS layer matrix is located after the instruction section.	**[ ]**	**[ ]**	**[ ]**	**[ ]**
	95% or better of the net usable maneuver land does not have restrictions due to encroachment issues	95% or better of the net usable maneuver land does not have restrictions due to encroachment issues	. 95% or better of the net usable maneuver land does not have restrictions due to encroachment issues	
For each of the below encroachment issues, provide acreage and percentage in the block provided. Evaluate each based on the criteria to the right. Also determine the acre days impacted and percentage of total acre days available impacted for each encroachment issue.	95% or better of the net usable maneuver land does not have restrictions due to the encroachment issue	85% or better of the net usable maneuver land does not have restrictions due to the encroachment issue	Less than 85% or better of the net usable maneuver land does not have restrictions due to the encroachment issue	
Endangered/Threatened Species Acreage impacted _____ Percentage _____ Acre Days Impacted_____ Percentage _____	**[ ]**	**[ ]**	**[ ]**	**[ ]**
Air Quality Acreage impacted _____ Percentage _____ Acre Days Impacted_____ Percentage _____	**[ ]**	**[ ]**	**[ ]**	**[ ]**
Noise Acreage impacted _____ Percentage _____ Acre Days Impacted_____ Percentage _____	**[ ]**	**[ ]**	**[ ]**	**[ ]**
Air Space Acreage impacted _____ Percentage _____ Acre Days Impacted_____ Percentage _____	**[ ]**	**[ ]**	**[ ]**	**[ ]**
Water quality Acreage impacted _____ Percentage _____ Acre Days Impacted_____ Percentage _____	**[ ]**	**[ ]**	**[ ]**	**[ ]**
Cultural Resources Acreage impacted _____ Percentage _____ Acre Days Impacted_____ Percentage _____	**[ ]**	**[ ]**	**[ ]**	**[ ]**

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(MANEUVER/TRNG LAND CONT)

Civilian/conflicting Land Use (any land use by civilians or military for recreation, rights of way, ag-leasing, joint use facilities, etc.) Acreage impacted _____ Percentage _____ Acre Days Impacted_____ Percentage _____	[ ]	[ ]	[ ]	[ ]
Wetlands Management Acreage impacted _____ Percentage _____ Acre Days Impacted_____ Percentage _____	[ ]	[ ]	[ ]	[ ]
5. Maneuver Area Combat Trails: Combat trails are maneuver area components which are not classified as training area roads (FCC 85710 or 85715) or tank trails (FCC 85720 or 85725). Combat trails are maintained as part of the maneuver area.	[ ] 90% of the combat trails are in a serviceable condition.	[ ] 80% of the combat trails are in a serviceable condition.	[ ] 79% or less of the combat trails are in a serviceable condition.	[ ]
Overall Quality Rating: Mark the color with the greatest number of "X"s. If two or more colors have equal number of "X"s, choose the worst color rating.	[ ]	[ ]	[ ]	

*****Indicates Priority Component**
(For Local Installation Reference Only)

Red Rating Explanation: _____

_____

Location Comment: _____

_____

Environmental, Health, Safety, & Preservation (EHSP) Comment: _____

_____

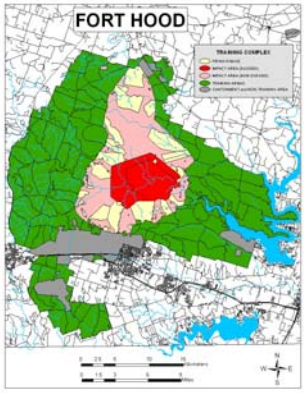
COMMANDER/DIRECTOR SIGNATURE _____

MANEUVER & TRAINING LAND ASSESSMENT PROCESS

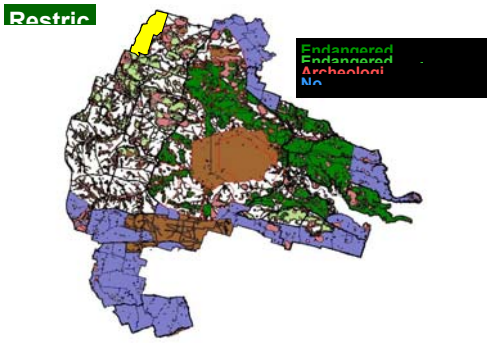
Component 1, Net Training Land. The calculation of an installation's net maneuver and training lands is based on the lands designated as FCG 17770, Maneuver/Training Land – Light; FCG 17720, Maneuver/Training Land – Heavy, or FCC 17999, Field Training Areas. The next step determines the area available for land intensive maneuver training, and subtracts from the total land; (1) non-training areas such as cantonment areas and quarries; (2) training areas with designated facilities and uses such as training ranges and driving courses, and dudded impact areas; and (3) other land on which maneuver is permanently restricted. The resulting net training land is then evaluated for encroachment IAW Component 4, below.

Component 4, Encroachment Assessment.
Installation Range divisions maintain Geographic Information System (GIS) data as indicated in below table.

1. Using GIS data, range officers determine net available land (Component 1). Example is below.



2. Using GIS data, range officers identify constraints and conditions across the total net training land by FCG's 17770 and 17720. Example below.



3. Range officers assess across the total net training land by FCG's 17770 and 17720.

MANEUVER & TRAINING LAND GIS LAYER MATRIX

Encroachment Factors	Explanation of Map Layer	Data Type	How to Develop	Attributed Needed	Notes:
Endangered Species	Areas where there are training restrictions due to the presence of endangered species or endangered species habitat.	Polygon	1. Digitize/GPS impacted areas 2. Merge overlapping polygons together so that land is not double counted	Species, number of days affected, no training/limited training, acreage, number of days restricted, months restricted (1 column for each month), completely restricted (y/n)	These areas are not just the areas where endangered species exist, but more importantly a map of where training is impacted.
Air Quality	Areas where the use of smoke or obscurants is limited or precluded or where maneuver training is limited due to dust resulting from vehicle maneuver.	Polygon	Digitize restricted areas using the information provided by range control.	Number of days affected, no training/limited training, acreage, number of days restricted, months restricted (1 column for each month), completely restricted (y/n)	We are looking at a land use restraint, no real way in our system of only looking at smoke use in our training days/acre calculation. It is either training is limited or not, and this is not quite accurate.
Noise	Area where training is limited or prevented due to noise constraints.	Polygon	Digitize restricted areas using the information provided by range control.	Number of days affected, no training/limited training, acreage, number of days restricted, months restricted (1 column for each month), completely restricted (y/n)	
Air Space	Areas where there are altitude restrictions to aerial maneuver.	Polygon	Digitize restricted areas using the information provided by range control.	Number of days affected, no training/limited training, acreage, number of days restricted, months restricted (1 column for each month), completely restricted (y/n)	We are looking at a land use restraint, no real way in our system of only looking at helicopters in our training days/acre calculation. It is either training is limited or not, and this is not quite accurate.

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Encroachment Factors	Explanation of Map Layer	Data Type	How to Develop	Attributed Needed	Notes:
Water Quality	Erosion buffers around all surface water areas (including intermittent creeks and ponds)	Polygon	Installation specific.	Number of days affected, no training/limited training, acreage, number of days restricted, months restricted (1 column for each month), completely restricted (y/n)	
Cultural Resources	Area where cultural resources such as cemeteries, burial mounds etc… exist and limit or restrict training.	Polygon	1. Digitize/GPS impacted areas 2. Merge overlapping polygons together so that land is not double counted	Type of cultural resource, number of days affected, no training/limited training, acreage, number of days restricted, months restricted (1 column for each month), completely restricted (y/n)	
Civilian/Conflicting Land Use	Areas where training is limited or prevented due to other land use requirements (such as recreation activities, agricultural out-lease, etc…)	Polygon	1. Digitize/GPS impacted areas 2. Merge overlapping polygons together so that land is not double counted	Type of land use, number of days affected, no training/limited training, acreage, number of days restricted, months restricted (1 column for each month), completely restricted (y/n)	
Wetlands	Areas where training is limited or prevented due to the presence of wetlands and their buffer zones.	Polygon	1. Digitize/GPS impacted areas	Number of days affected, no training/limited training, acreage, number of days restricted, months restricted (1 column for each month), completely restricted (y/n)	

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Encroachment Factors	Explanation of Map Layer	Data Type	How to Develop	Attributed Needed	Notes:
Total land affected by Encroachment	Utilizing a GIS, perform an overlay operation that consists of, and merges, all of the encroachment factors listed above creating a layer that reflects all encroachment factors, but does not double count land that is affected by more than one of the factors.	Polygon		Number of days affected, no training/limited training, acreage, number of days restricted, months restricted (1 column for each month), completely restricted (y/n)	Could be green amber red, green no impact, amber some impact, red no training allowed OR impact, no impact.
Additional layer needed for project:					
Total Available training land	Land that is available for training, (does not include areas such as cantonment, recreational areas, golf courses, firing ranges). Calculate this acreage and use in calculations.	Polygon			

*TC25-1 is the baseline for annual available training days for both the Active Component and Reserve Component and is calculated for each installation.